



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
200 WESTCREEK BLVD BRAMPTON SIMARD EAYOA600992
 Component
Right Diesel Engine
 Fluid
ESSO XD-3 EXTRA 15W40 (60 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005905	PN0004532	PN0003055
Sample Date		Client Info		05 Apr 2024	31 Jan 2023	08 Dec 2021
Machine Age	hrs	Client Info		34	31	29
Oil Age	hrs	Client Info		3	0	8
Filter Age	hrs	Client Info		3	0	8
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	<1	1	2
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	1	2	1
Lead	ppm	ASTM D5185(m)	>40	0	<1	2
Copper	ppm	ASTM D5185(m)	>330	38	32	80
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

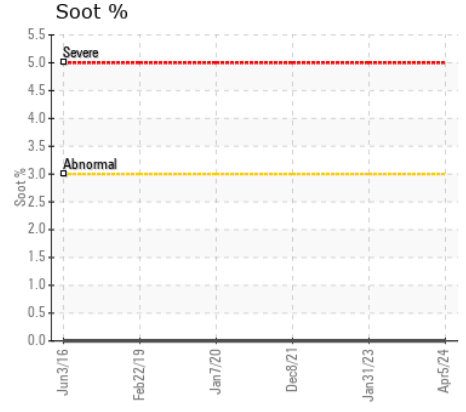
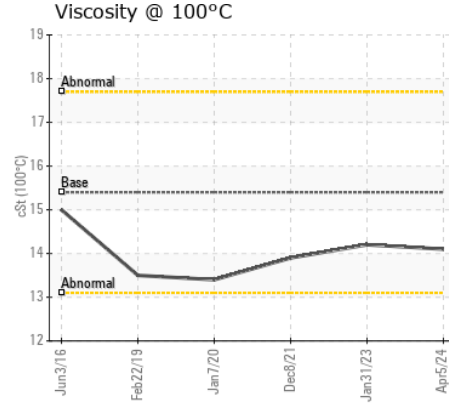
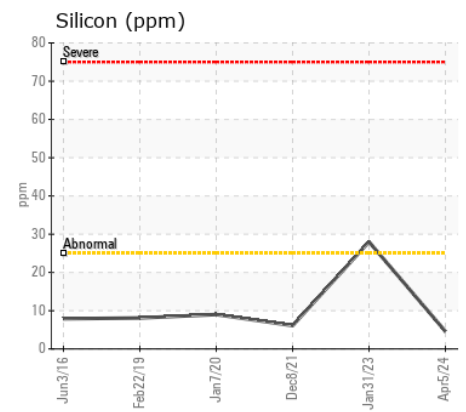
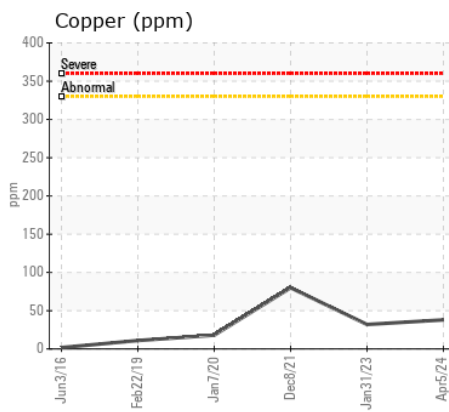
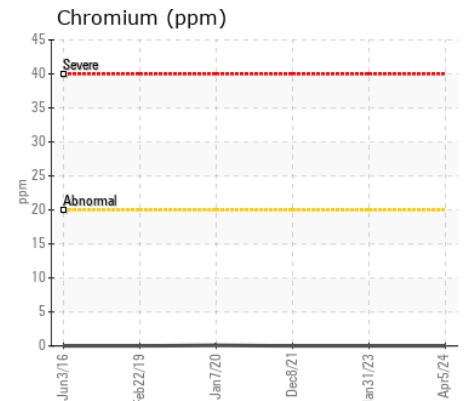
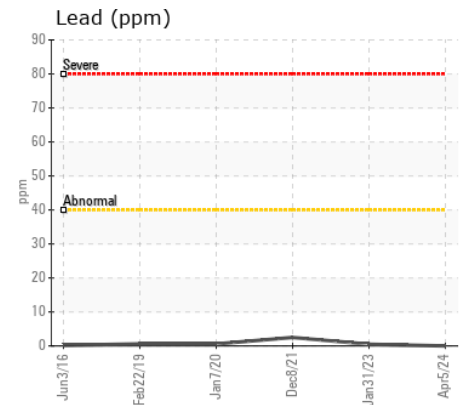
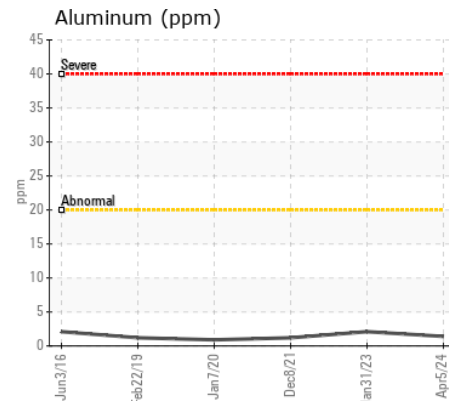
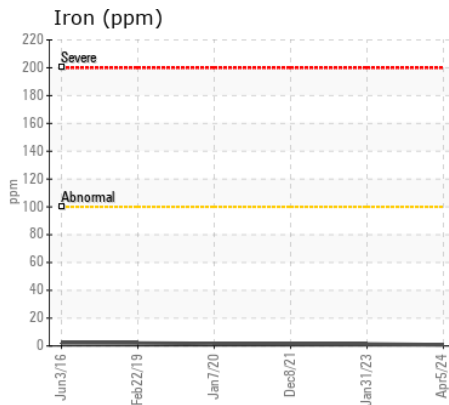
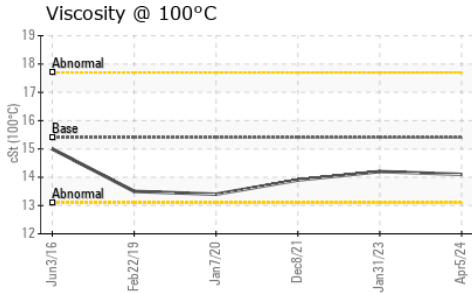
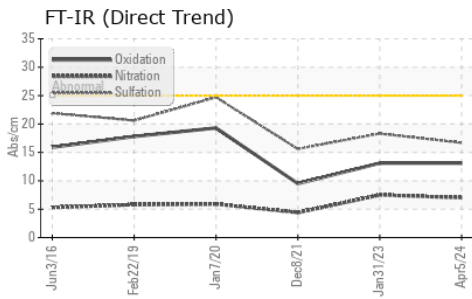
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	5	28	6
Potassium	ppm	ASTM D5185(m)	>20	<1	0	1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.0	7.5	4.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	16.7	18.3	15.6
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	.5%

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>192	2	3	3
Boron	ppm	ASTM D5185(m)		53	75	71
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		58	76	54
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		348	68	333
Calcium	ppm	ASTM D5185(m)	3780	1733	2133	1770
Phosphorus	ppm	ASTM D5185(m)	1370	951	1031	885
Zinc	ppm	ASTM D5185(m)	1500	1091	1093	985
Sulfur	ppm	ASTM D5185(m)	3800	2887	3103	2671
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.1	13.1	9.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.1	14.2	13.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005905
Lab Number : 02627620
Unique Number : 5760752
Test Package : MOB 1
Received : 09 Apr 2024
Tested : 09 Apr 2024
Diagnosed : 09 Apr 2024 - Wes Davis

POWER STATION INC.
 1050 JAYSON COURT
 MISSISSAUGA, ON
 CA L4W 2V5
 Contact: Brett Kinkley
 Bkinkley@pwrstn.com
 T:
 F: (905)565-8544

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.